

Name: \_\_\_\_\_

### Remediation – Exponent Rules – Dividing Same Bases

After you have watched the video from the wiki, you should try the following problems and then use the key to check your work. There is not a great way to check these problems with your calculator.

Directions: Please simplify the following.

1.  $\frac{20x^{10}}{-4x}$

2.  $\frac{30x^{12}}{-18x^{12}}$

3.  $\frac{22r^{10}}{-44r^{-7}}$

4.  $\frac{-22a^9x^5}{11ax^2}$

5.  $\frac{-17b^9y^5}{17b^9y^4}$

6.  $\frac{18m^9}{-10m^{-3}}$

7.  $\frac{-b^{-3} \cdot b^7}{4b^2}$

8.  $\frac{8ab^{10}(2a^2b)}{-6ab^{-2}}$